There is ever-growing national and international demand for qualified professionals and scientists who have expertise in one or more domains of social and environmental modelling and GIS-based spatial analysis and decision support. The UCL's Geospatial Analysis MSc provides rigorous scientific and vocational training for the next generation of scientific modelling and decision-support professionals.

Degree summary

The programme combines a rigorous treatment of underlying theory for, and methods of implementing and exploiting, spatial analysis and decision support. Optional courses provide the opportunity to develop expertise in modelling and analysis in one or more areas of social and environmental science with social and policy dimensions.

- The Geospatial Analysis MSc is run by UCL Geography, which enjoys an outstanding international reputation for its research and teaching. The programme brings together the department's strong expertise in spatial science and social and environmental modelling.
- Contributions to the programme are also made by UCL Civil, Environmental and Geomatic Engineering, providing complementary expertise in geographic information systems.
- Students enter a vibrant, enthusiastic, and international research environment in which collaboration and free-ranging debate are strongly encouraged. UCL’s location, in central London, provides easy access to many key intellectual venues and resources, such as the British Library.

The programme is delivered through a combination of lectures, seminars, tutorials and laboratory and computer-based practical classes. Assessment is through independent project work, practical-based and written coursework, and the dissertation.

Degree structure

Mode: Full-time: 1 year; Part-time: 2 years
Location: London, Bloomsbury

Students undertake modules to the value of 180 credits. The programme consists of four core modules (60 credits), four optional modules (60 credits) and a research dissertation (60 credits).

A Postgraduate Diploma (120 credits, full-time nine months, part-time two years) is offered.
A Postgraduate Certificate (60 credits, full-time 12 weeks, part-time one year) is offered.

### CORE MODULES
- GIS Principles and Technology
- Mapping Science
- Principles of Spatial Analysis
- Representation, Structures and Algorithms

### OPTIONAL MODULES
- Airborne Data Acquisition
- Climate Modelling
- Geodemographics and Population Geography
- GIS Design
- Network and Locational Analysis
- Spatial Decision Support Systems
- Spatio-temporal Analysis and Data Mining
- Surface Water Modelling
- Terrestrial Carbon: Modelling and Monitoring
- Web and Mobile GIS

### DISSERTATION/REPORT
- All MSc students undertake an independent research project which culminates in a dissertation of approximately 12,000 words and a poster presentation.
**Your career**

There is a national and international need for scientists with skills in GIS-based analysis and decision support complemented by a deep knowledge of domain-specific models and analytical methods that can be brought to bear on environmental issues and their social consequences. The MSc provides an ideal foundation for PhD research, or for prospective employment within research organisations, consultancies, government departments and a wide range of industries.

**Employability**

A student on the first cycle of the course came with work experience in water engineering in several Middle Eastern countries. He took the options in Spatial Decision Support, Network and Locational Analysis, Geodemographics and Population Geography, and Spatio-Temporal Analysis and Data Mining to broaden and add depth to his skills base; his dissertation was undertaken with Kuwait’s Environmental Public Authority. He spent a year acting as a consultant on water engineering projects worldwide and returned to UCL in September 2013 to study for a PhD.
Entry requirements

Normally a minimum of an upper second-class Bachelor’s degree in a relevant discipline from a UK university or an overseas qualification of an equivalent standard.

English language proficiency level

If your education has not been conducted in the English language, you will be expected to demonstrate evidence of an adequate level of English proficiency.

The level of English language proficiency for this programme is: Good.

Information about the evidence required, acceptable qualifications and test providers is provided at:
www.ucl.ac.uk/graduate/english-requirements

Your application

Students are advised to apply as early as possible due to competition for places. Those applying for scholarship funding (particularly overseas applicants) should take note of application deadlines.

When we assess your application we would like to learn:

// why you want to study Geospatial Analysis
// why you want to study Geospatial Analysis at UCL
// what particularly attracts you to this programme
// how your academic and/or professional background meets the demands of a challenging academic environment
// where you would like to go professionally with your degree

Together with essential academic requirements, the personal statement is your opportunity to illustrate whether your reasons for applying to this programme match what the programme will deliver.

FEES AND FUNDING 2017/18 ENTRY

// UK: £10,110 (FT), £5,085 (PT)
// EU: £10,110 (FT), £5,085 (PT)
// Overseas: £20,540 (FT), £10,430 (PT)

The tuition fees shown are for the year indicated above. Fees for subsequent years may increase or otherwise vary. Further information on fee status, fee increases and the fee schedule can be viewed on the UCL Current Students website.

Full details of funding opportunities can be found on the UCL Scholarships website: www.ucl.ac.uk/scholarships

APPLICATION DEADLINE

All applicants: 28 July 2017

Details on how to apply are available on the website at:
www.ucl.ac.uk/graduate/apply

CONTACT

Application procedure

Email: geog-masters@ucl.ac.uk

Telephone: +44 (0)20 7679 7579

EU referendum

For up-to-date information relating to specific key questions following the UK’s decision to leave the EU, please refer to
www.ucl.ac.uk/eu-referendum

This information is for guidance only. It should not be construed as advice nor relied upon and does not form part of any contract.
For more information on UCL’s degree programmes please see the UCL Graduate Prospectus at www.ucl.ac.uk/graduate